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Sommario

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1.00	10/07/2008	SGM	Starting Document
Revision	**Date (mm/gg/aa)**	**Author**	**Description**

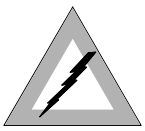
1. INTRODUCTION

Thank you for choosing an SGM Hazer 400 Machine. You now own a rugged and powerful state-of-the-art machine. Prior to use, we suggest that you carefully read all of the instructions. By following the suggestions found in this user manual, you can look forward to the best, virtually invisible Hazer effect and reliable, satisfactory performance of your SGM Hazer for years to come.

Please follow these operation and safety instructions to ensure a long and safe life for your Hazer.

2. IMPORTANT SAFEGUARDS

DANGER OF ELECTRIC SHOCK



- Keep this device dry; suitable for indoor/outdoor use.
- For all models, use grounded electrical outlet. Prior to use take care to determine that the unit is installed at the rated voltage.
- Always unplug your SGM Hazer 400 before filling its tank.
- Turn off or unplug when not in use.
- This machine is not water-proof. If moisture, water, or Hazer fluid gets inside the housing, immediately unplug the unit and contact a service technician or your SGM dealer before using it again.

DANGER OF BURN

- No user serviceable and modifying parts inside. Do not attempt to open the upper housing cover and modify; otherwise may cause danger of burn.
- For adult use only. Hazer must be installed out of the reach of children. Never leave the unit running unattended.
- Position the Hazer machine in well-ventilated area. Please leave about 20cm spaces surrounding the machine.
- Never aim the machine at open flames or close to flammable items.
- Never add flammable liquids of any kind (oil, gas, perfume) to the Hazer liquid.
- Use only dealer recommended SGM high-quality Hazer liquid (HZL). Please do not use any other liquid which may cause erosion of inner parts.
- If your SGM Hazer fails to work properly, discontinue use immediately. Drain all Hazer liquid from the tank, pack the unit securely (preferably in the original packing material), and return it to your SGM dealer for service.
- Please note before sending the machine for transporting purpose, make sure the liquid inside the tank is fully emptied.
- Never drink Hazer liquid. If it is ingested, call a doctor immediately. If Hazer liquid comes in contact with skin or eyes, rinse thoroughly with water.

IMPORTANT!
Pay attention to all warning labels and instructions printed on the exterior of your SGM Hazer

3. UNPACKING & INSPECTION

Open the shipping carton and verify that all equipment necessary to operate the system has arrived intact. Before beginning initial setup of your SGM Hazer, make sure that there is no evident damage caused by transportation. In the event that the unit's housing or cable is damaged, do not plug it in and do not attempt to use it until after contacting your **SGM** dealer for assistance.

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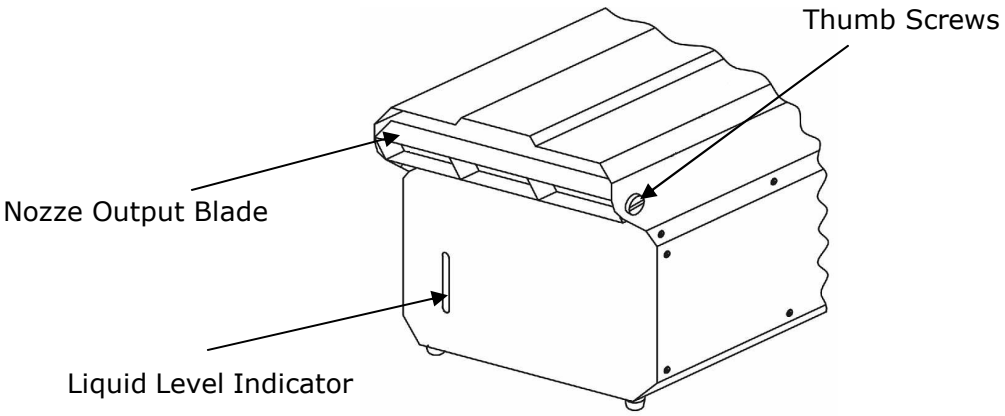
4. SETUP

1. Remove all packing materials from the shipping box. Check that all foam and plastic padding is removed.
2. Place Hazer on a flat surface and remove Hazer liquid tank cap.
3. Your Hazer 400 may come with standard Timer remote HC-1. If you will be controlling your unit remotely, firmly attach the remote control cable to the proper position.

5. OPERATION

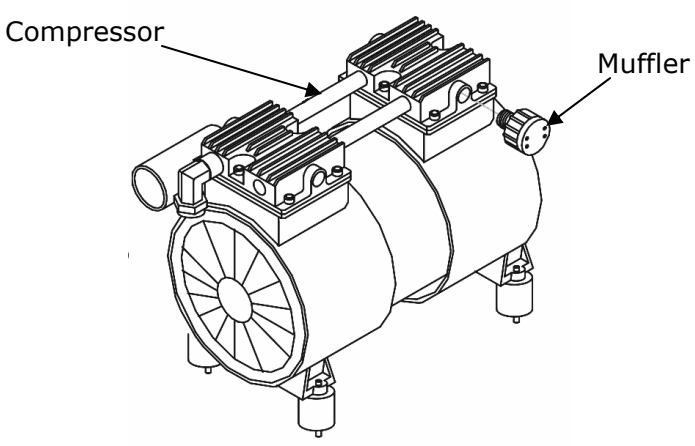
1. Place the unit on a flat surface. Plug power cord into a grounded electrical outlet.
2. Set the power switch to "**ON**" on the back of the machine. Make sure that the red indicator light is on.
3. Remove the black liquid tank cap, pour Hazer liquid into the liquid tank about 1/2 full, be careful not to exceed the maximum fluid level. DO NOT OVERFILL. Use only dealer-recommended high-quality Hazer liquid . Any other types of fluid may cause health hazard and damage the unit. Use of any other liquid may void warranty.
4. Connect the remote controller to the unit, press the red button ON/OFF to start up the unit. (For further information on operating (including DMX) your SGM HZ-400 Hazer, see the section titled, "Remote Control Operation").
5. There's an adjustable nozzle blade where you can adjust the angle of the Hazer output by adjusting the thumb screws indicated below:



SGM Hazer 400 machine produce safe, dry clean and virtually invisible Hazer when used with HZL-1 Hazer liquid with an extremely long hanging time. For ideal results, Hazer when touch-up is needed.

6. CAUTION

1. Always monitor and make sure that there is sufficient HZL liquid inside the tank during operation.
2. Pour Hazer liquid into the liquid tank about 1/2 full, be careful not to exceed the maximum fluid level. DO NOT OVERFILL. The extra 1/2 tank space is reserved for air-flow purpose. Overfilling will cause the unbalance in air pressure which will affect the Hazer liquid to flow back to the compressor and may lead damage of the compressor unit.
3. When the machine is operated for a longer period of time under open-air conditions, falling dust/debris can enter the machine and may create residue inside the muffler of the compressor. It will clog the filtration fibre on the muffler. Contact an authorized SGM dealer to replace a new muffler only (please note that the old muffler is unable to use repeatedly after washing or brushing). Long term use of the unit which has the build-up residue on the muffler may cause an unsteady operation of the compressor. It may even cause danger of burn under serious conditions.



4. If you have followed the above operation steps, and you still experience low output, mechanical noise or no output at all, unplug the unit immediately from the mains. Check the fluid level, the external fuse, the remote control connection, and the power cable from the wall. If all of the above appears to be O.K., plug the unit in again. If the Hazer still does not function, discontinue operation or it may result in permanent damage to the unit. Return the machine to your SGM dealer. Always drain tank before mailing or transporting this unit.

7. REMOTE CONTROL OPERATION

HC-1: 10 meter wired multi-function remote controller with ¼" stereo plug.

Red: CONTROL ON/OFF

Green: HAZER

Yellow: TIMER ON/OFF

DURATION and INTERVAL knobs

Connect the unit to the mains; set the power switch on the at rear of the machine to on. Press the red button (CONTROL ON/OFF), the red indicator light will be on at the same time. This Hazer machine is ready to operate.

Keep the green button (HAZER) pressed; the unit will produce continuous Hazer output. Release the button to stop output. During this time, the red button (CONTROL ON/OFF) is kept pressed while the red indicator light is still on.

Press the yellow button (TIMER ON/OFF) to activate the timer function for the knobs DURATION and INTERVAL located on the top of the controller. Adjust the interval between each Hazer emission (within the range from 10 to 200 seconds) by means of the INTERVAL control knob. Adjust the duration of each Hazer emission (within the range of 5 to 100 seconds) by means of the DURATION control knob.

HCR-1: Wireless remote controller with ¼" stereo plug for SGM Hazer 400. Attach the receiver's magnetic base to the Hazer. Plug the receiver's cable into the Hazer's remote control input. Using the sending unit, your SGM Hazer can be operated from a distance at least 50 meters when under no obstruction. Start Hazer emission by pressing the small button on the sending unit. Stop Hazer emission by pressing the large button. Multiple SGM Hazers may be controlled using only one sending unit.

The control of the master unit will override all other controllers when connecting the Hazer machine via DMX

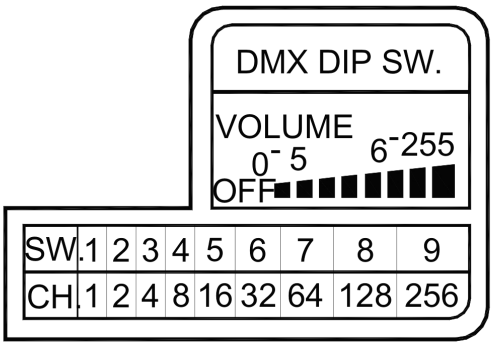
8. DMX OPERATION

The units HZ-300 and HZ-400 have on-board DMX control. These models use 1 channel to control volume output operation. Each channel has a value range of 0 to 255. The DMX channel is set on the rear panel of the HZ-300 and HZ-400 by setting the dip switches to the desired channel.

If Channel A has a value from 0 to 5, the unit is OFF.

Between the values 6 to 255 the volume of fog output is regulated. With 6 being the minimum volume of fog produced and 255 approaching the maximum. The volume output rises as the DMX value is increased.

Note: The controls HC-1 and HCR-1 will be disabled when the Hazer is in DMX mode.



9. HAZER LIQUID

SGM HZL-1 Hazer liquid was designed for the use with SGM Hazer 400. SGM HZL-1 is a non-toxic solution that produces a pure, translucent Hazer with extremely long hang time and low moisture, perfect for HZ-400.

Important: Never mix oil-based and water-based Hazer liquids. Before switching the kind of Hazer liquid in use, completely drain the Hazer's tank to avoid mixing.

10. TECHNICAL SPECIFICATIONS

Model	**HZ-400**
Power supply:	AC100V - AC120V - AC230V - AC240V, 50Hz-60Hz
Power consumption:	560 W
Output volume:	84 m³/min.
Tank capacity:	2.5 liters
Fluid consumption:	16 Std./ liter
Weight:	18,5 kg
Dimensions (LxWxH) mm:	500 x 320 x 246
Remote included:	HC-1
Optional remote:	HCR-1

Save these instructions.

11. LIMITED WARRANTY

- The unit is guaranteed for 24 months from the date of purchase against manufacturing material defects.
- Breakdown caused by carelessness and improper use of the fixture is excluded.
- The guarantee is no longer valid if the unit has been tampered with or repaired by unauthorized personnel.
- Replacement of the fixture is not foreseen by the guarantee.
- External parts, knobs, switches, removable parts and lamps are excluded from the guarantee
- Transport costs and related risks are borne by the fixture's owner.
- The guarantee is valid to all effects only on presentation of the guarantee certificate to the manufacturer or the nearest SGM technical assistance centre.
- Always quote the unit's serial number and model when contacting your reseller for information or assistance.

NOTE: USE OF ANY FLUID OTHER THAN SGM FOG FLUID WILL VOID WARRANTY.